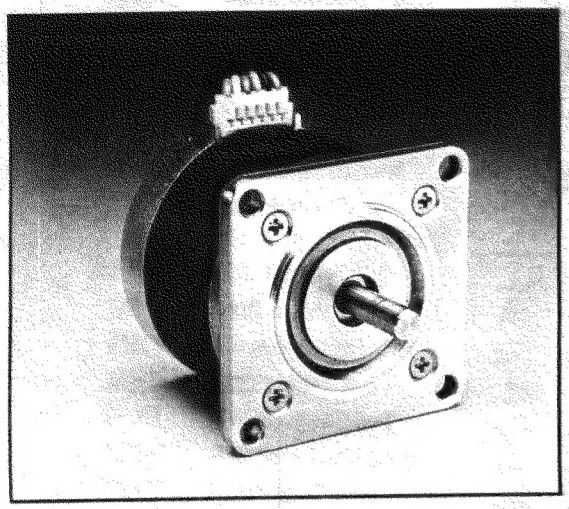
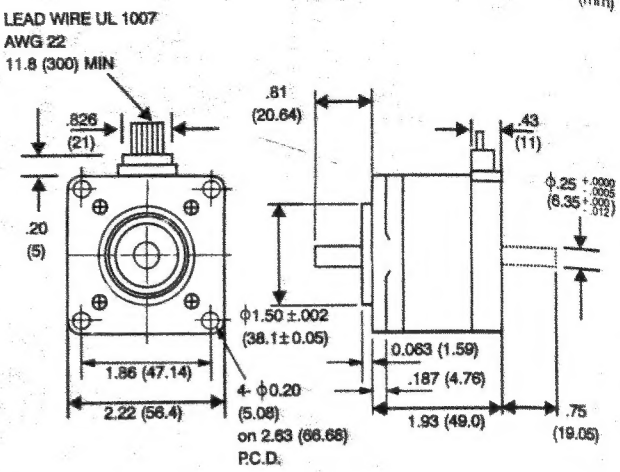
# 23LM-C3 1.8° HYBRID

NMB



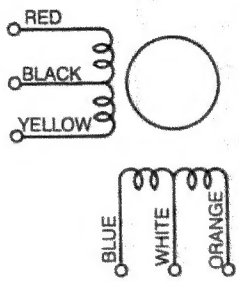
Unit: inches (mm)




## General Specifications

| | |
|---|---|
| Step Angle | 1.8° |
| Step Angle Accuracy | +/- 5% |
| Temperature Rise | 80° C Max. |
| Ambient Temperature Range | -20° to +50° C |
| Insulation Resistance | 100MΩ Min., 500 VDC |
| Dielectric Strength | 500 VAC for 1 min. |
| Radial Play | .02 mm Max. (450 g-load) |
| End Play | .08 mm Max. (450 g-load) |
| Switching Sequence | See Page 32 |

## Winding Diagram




## Model Specifications

| MODEL NO. | RATED VOLTAGE V | RATED CURRENT/ PHASE A | WINDING RESISTANCE/ PHASE Ω | HOLDING TORQUE g-cm | INDUCTANCE mH | ROTOR INERTIA g-cm² | DETENT TORQUE g-cm | WEIGHT g |
|---|---|---|---|---|---|---|---|---|
| 23LM-C301V | 1.3 | 3.90 | 0.33 | 4,500 | 0.63 | 110 | 360 | 450 |
| 23LM-C355V | 2.3 | 2.00 | 1.20 | 4,500 | 3.50 | 110 | 360 | 450 |
| 23LM-C307V | 3.0 | 1.70 | 1.80 | 4,500 | 3.30 | 110 | 360 | 450 |
| 23LM-C304V | 5.1 | 1.00 | 5.10 | 4,500 | 8.50 | 110 | 360 | 450 |
| 23LM-C309V | 6.0 | 0.85 | 7.10 | 4,500 | 13.00 | 110 | 360 | 450 |
| 23LM-C331V | 12.0 | 0.42 | 28.60 | 4,500 | 42.00 | 110 | 360 | 450 |
| 23LM-C315V | 24.0 | 0.21 | 114.00 | 4,500 | 190.00 | 110 | 360 | 450 |

Note - all models available with rear shafts.